

| | | | | | |
|--|----------------|--------------------------|----------------------------|---------------------|-----------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | <i>Complete If Known</i> | | | |
| | | Application Number | Not yet assigned 10/823437 | | |
| | | Filing Date | April 12, 2004 | | |
| | | First Named Inventor | Grube et al. | | |
| | | Group Art Unit | 3729 | | |
| Examiner Name | Arbes, Carl J. | | | | |
| Sheet | 1 | of | 2 | Attorney Docket No. | P131C1-US |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------------|----------------------|------------------------|----------------------------------|---------------------|----------------------|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant | Publication Date | Relevant Portions |
| | | Number | Kind Code ² | | | |
| Cja | 1 | 3849728 | | Evans | 11/19/1974 | |
| Cja | 2 | 4480223 | | Aigo | 10/30/1984 | |
| Cja | 3 | 4567432 | | Buol et al. | 1/28/1986 | |
| Cja | 4 | 4837622 | | Whann et al. | 6/6/1989 | |
| Cja | 5 | 4899099 | | Mendenhall et al. | 2/6/1990 | |
| Cja | 6 | 4983907 | | Crowley | 1/8/1991 | |
| Cja | 7 | 4994735 | | Leedy | 2/19/1991 | |
| Cja | 8 | 5090118 | | Kwon et al. | 2/25/1992 | |
| Cja | 9 | 5103557 | | Leedy | 4/14/1992 | |
| Cja | 10 | 5148103 | | Pasiecznik, Jr. | 9/15/1992 | |
| Cja | 11 | 5162728 | | Huppenthal | 11/10/1992 | |
| Cja | 12 | 5177439 | | Liu et al. | 1/5/1993 | |
| Cja | 13 | 5185502 | | Shepherd et al. | 2/9/1993 | |
| Cja | 14 | 5191708 | | Kasukabe et al. | 3/9/1993 | |
| Cja | 15 | 5225777 | | Bross et al. | 7/6/1993 | |
| Cja | 16 | 5308443 | | Sugihara | 5/3/1994 | |
| Cja | 17 | 5399982 | | Driller et al. | 3/21/1995 | |
| Cja | 18 | 5513430 | | Yanof et al. | 5/7/1996 | |
| Cja | 19 | 5521518 | | Higgins | 5/28/1996 | |
| Cja | 20 | 5534784 | | Lum et al. | 7/9/1996 | |
| Cja | 21 | 5701666 | | DeHaven et al. | 12/30/1997 | |
| Cja | 22 | 5736850 | | Legal | 4/7/1998 | |
| Cja | 23 | 5806181 | | Khandros et al. | 9/15/1998 | |
| Cja | 24 | 5821763 | | Beaman et al. | 10/13/1998 | |
| Cja | 25 | 5828226 | | Higgins et al. | 10/27/1998 | |
| Cja | 26 | 5974662 | | Eldridge et al. | 11/2/1999 | |
| Cja | 27 | 6014032 | | Maddix et al. | 1/11/2000 | |
| Cja | 28 | 6043563 | | Eldridge et al. | 3/28/2000 | |

| | | | |
|-----------------------|-------------|--------------------|---------|
| Examiner Signature | C. J. Arbes | Date Considered | 4/16/06 |
|-----------------------|-------------|--------------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

| | | | | | |
|--|-----------------------|----|---|--------------------------|-----------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | <i>Complete If Known</i> | |
| | | | | Application Number | 09/903,798; 07823,437 |
| | | | | Filing Date | July 11, 2001 |
| | | | | First Named Inventor | Grube et al. |
| | | | | Group Art Unit | 2812 |
| Examiner Name | Not Known C. J. Arbes | | | | |
| Sheet | 2 | of | 2 | Attorney Docket No. | P131-US |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------------------|--------------------------|----------------------|------------------------|----------------------------------|---------------------|----------------------|
| Examiner Initials [*] | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant | Publication Date | Relevant Portions |
| | | Number | Kind Code ² | | | |
| gm | 29 | 6047469 | | Lunn | 4/11/2000 | |
| gpa | 30 | 6050829 | | Eldridge et al. | 4/18/2000 | |
| gpa | 31 | 6133744 | | Yajima et al. | 10/17/2000 | |
| gpa | 32 | 6160412 | | Martel et al. | 12/12/2000 | |
| gpa | 33 | 6174744 | B1 | Watanabe et al. | 1/16/2001 | |
| gpa | 34 | 6184576 | B1 | Jones et al. | 2/6/2001 | |
| gpa | 35 | 6188231 | B1 | Palagonia | 2/13/2001 | |
| gpa | 36 | 6215320 | B1 | Parrish | 4/10/2001 | |
| gpa | 37 | 6215321 | B1 | Nakata | 4/10/2001 | |
| gpa | 38 | 6289583 | B1 | Belmont et al. | 9/18/2001 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------------|-----------------------|-------------------------|---------------------|------------------------|-------------------------------|------------------|-------------------|----------------|
| Examiner Initials [*] | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant | Publication Date | Relevant Portions | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ | | | | |
| gpa | 39 | EP | 802419 | A2 | Soejima et al. | 10/11/1997 | | |
| gpa | 40 | JP | 05-029406 | | Nakao | 2/5/1993 | | x |
| gpa | 41 | JP | 06-050990 | | Kazami | 2/25/1994 | | x |
| gpa | 42 | JP | 08-015318 | | Suzuki et al. | 1/19/1996 | | x |
| gpa | 43 | WO | 00/33096 | | Eldridge et al. | 6/8/2000 | | |
| gpa | 44 | WO | 00/75677 | | Eslamy et al. | 12/14/2000 | | |
| gpa | 45 | WO | 98/52224 | | Pedersen et al. | 11/19/1998 | | |
| gpa | 46 | JP | 06-249924 | | Hanawa et al. | 9/9/1994 | | x |

| OTHER PRIOR ART - NONPATENT LITERATURE DOCUMENTS | | | |
|--|--------------------------|--|----------------|
| Examiner Initials [*] | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ⁷ |
| gpa | 47 | LEUNG et al., "Active Substrate Membrane Probe Card," Center For Integrated Systems Stanford Univeristy (Oct. 12, 1995) | |

| | | | |
|-----------------------|-------------|--------------------|---------|
| Examiner Signature | C. J. Arbes | Date Considered | 4/11/06 |
|-----------------------|-------------|--------------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.